

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Improvements to Compound Wall and Park Developments in
Ward No. 05

		Estimate Cost Rs.						9900000.00	
SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2 (P.No.138, I.No.18.11 of PW, P&IWD SR 2018-19)	Sqm							
	For Telecom layout Park Near Srirampura		2	130.00	2.00		520.00		
	Telecom Layout Park		1	150.00	2.00		300.00		
							820.00	10.60	8692.00
	Basic Rate	10.00							
	Area Weightage @ 6%	0.60							
	Total	10.60							
2	KSRRB 300-1. Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 143/ Item No. 19.1/ PWD SR 2018-19	Cum							
	For Compound Wall elecom layout Park Near Srirampura		1	130.00	1.20	1.50	234.00		
	Telecom Layout Park		1	65.00	0.90	0.90	52.65		
	For Concrete Benches		15	3.00	3.00	0.60	81.00		
	For Plying Equipment area		1	17.30	13.10	0.60	135.98		
	For Street Lights		14	0.45	0.45	0.60	1.70		
							505.33	137.80	69634.00
	Basic Rate	130.00							
	Area Weightage @ 6%	7.80							
	Total	137.80							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 with OPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 13/ Item No. 4.3/ PWD SR 2018-19	Cum							
	For Compound Wall Telecom layout Park Near Srirampura		1	130.00	1.20	0.15	23.40		
	Telecom Layout park		1	65.00	0.90	0.15	8.78		
	For Concrete Benches		15	3.00	3.00	0.15	20.25		
	For Plying Equipment area		1	17.30	13.10	0.15	33.99		
	For Street Lights		14	0.45	0.45	0.15	0.43		
							86.84	5408.12	469667.00
	Basic Rate	5102.00							
	Area Weightage @ 6%	306.12							
	Total	5408.12							
4	KSRRB M300-53: construction of embankment with approved material gravel/murum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murum, watering charges & compaction by vibratory roller) MORTH specification Page No. 147/ Item No. 19.60/ PWD SR 2018-19	Cum							
	For Concrete Benches		15	2.60	2.60	0.25	25.35		
	For Plying Equipment area		1	17.30	13.10	0.25	56.66		
							82.01	344.50	28252.00
	Basic Rate	325.00							
	Area Weightage @ 6%	19.50							
	Total	344.50							
5	KSRRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 25/ Item No. 5.6/ PWD SR 2018-19	cum							
	For Compound Wall		1	130.00	0.90+0.75	1.00	107.25		
					2				
	For Telecom Layout Park		1	65.00	0.75+0.60	0.75	32.91		
					2				
							140.16	4871.76	682808.00
	Basic Rate	4596.00							
	Area Weightage @ 6%	275.76							
	Total	4871.76							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
6	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 25/ Item No. 5.9/ PWD SR 2018-19	Sqm							
	For Compound Wall Telecom layout Park Near Srirampura		1	130.00	0.75+0.45	1.00	78.00		
					2				
			1	50.00	0.45	0.60	13.50		
	For Telecom Layout Park		1	65.00	0.60+0.45	0.45	15.36		
					2				
							106.86	5811.98	621046.00
	Basic Rate	5483.00							
	Area Weightage @ 6%	328.98							
	Total	5811.98							
7	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2018-19	cum							
	SSM Coaping Telecom layout Park Near Srirampura		1	180.00	0.45	0.10	8.10		
	Top		1	180.00	0.20	0.10	3.60		
	SSM Coaping to Telecom Layout Park		1	65.00	0.45	0.10	2.93		
	For Concrete Benches		15	2.60	2.60	0.20	20.28		
	For Plying Equipment area		1	17.30	13.10	0.15	33.99		
							68.90	5627.54	387735.00
	Basic Rate	5309.00							
	Area Weightage @ 6%	318.54							
	Total	5627.54							
8	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 27/ Item No. 5.27/ PWD SR 2018-19	Sqm							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	130.00		1.20	156.00		
			1	50.00		1.50	75.00		
	For Concrete Benches		15X2	3.00		0.60	54.00		
			15X2	2.60		0.60	46.80		
							331.80	966.72	320758.00
	Basic Rate	912.00							
	Area Weightage @ 6%	54.72							
	Total	966.72							
9	KSRB 15.1.3: Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 115/ Item No. 15.1/ PWD SR 2018-19	Sqm							
	For Compound Wall Telecom layout Park Near Srirampura		2	180.00		0.60	216.00		
			2	60.00		0.60	72.00		
							288.00	223.66	64414.00
	Basic Rate	211.00							
	Area Weightage @ 6%	12.66							
	Total	223.66							
10	5.29(b) Providing and fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete. Page No. 25/ Item No. 5.30/ PWD SR 2018-19	Sqm							
	Kerb Stone		2	300.00			600.00		
	For Telecom Layout Park		2	150.00			300.00		
							900.00		
							2000.00	432.48	864960.00
	Basic Rate	408.00							
	Area Weightage @ 6%	24.48							
	Total	432.48							
11	KSRB 15-17.5: Applying priming coat over new wood surface and / or wood based surface preparing the surface after thoroughly cleaning oil, grease, dirt, and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications. Page No. 118/ Item No. 15.59 / PWD SR 2018-19	Sqm							
	Kerb Stone Painting		2	300.00		0.30	180.00		
	For Telecom Layout Park		2	150.00		0.30	90.00		
							270.00	53.00	14310.00
	Basic Rate	50.00							
	Area Weightage @ 6%	3.00							
	Total	53.00							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
12	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. Page No. 119/ Item No. 15.60.1 / PWD SR 2018-19								
			2	300.00		0.30	180.00		
	For Telecom Layout park		2	150.00		0.30	90.00		
							270.00	102.82	27761.00
	Basic Rate	97.00							
	Area Weightage @ 6%	5.82							
	Total	102.82							
13	KSRB 14.6-1 : Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufactures of blocks of approved size , shape and colour with a minimum compressive strength of 281kgs per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour, curing complete as per specifications. Page No.103/ Item No. 14.6 / PWD SR 2018-19	Sqm							
	For Wacking Track		1	180.00	1.50		270.00		
	For Telecom Layout Park		1	127.00	1.50		190.50		
							460.50	1105.65	509152.00
	Basic Rate	1053.00							
	Area Weightage @ 6%	52.65							
	Total	1105.65							
14	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. Page No. 123/ Item No. 15.74/ PWD SR -2018-19	Sqm							
	For Fencing		2	300.00		1.50	900.00		
	For Telecom layout Park		2	150.00		1.50	450.00		
							1350.00	100.70	135945.00
	Basic Rate	95.00							
	Area Weightage @ 6%	5.70							
	Total	100.70							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
15	Providing and fixing Cement Concrete Benches with Base, Back rest and Pedestals of size, Shape and Design including Transportation and with lead and lift, loading and unloading, Earthwork excavation and fixing in 1:4:8 (wherever necessary) and curing etc., complete as per standard Specification and direction of engineer in charge.	Nos							
			15				15.00	10510.00	157650.00
	Data Rate	10510.00							
16	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mix finished with flush pointing using white cement, including cost of materials, including cutting, gridding the edge to half/full round wherever required, labour, curing complete as per specification. (P.No. 112, I.No. 14.62 of PWD SR 2018-19)	Sqm							
	For Concrete Benches		15	2.60	2.60		101.40		
	For Plying Equipment area		1	17.30	13.10		226.63		
							328.03	1305.92	428381.00
	Basic Rate	1232.00							
	Area Weightage @ 6%	73.92							
	Total	1305.92							
17	Supply and Fixing of Pull Down Challenger. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to 1507227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance:	Each							
			1				1.00	260544.00	260544.00
	Data Rate	260544.00							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
18	Supply and fixing of Seated Chest Press. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints to be scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel (Great Wall) powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO 7227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handle. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 166630 and the maintenance guide. Safety:	Each							
			1				1.00	230000.00	230000.00
	Data Rate	230000.00							
19	Supply and fixing of Self Weighted Rower. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO 7227 to speed up corrosion for 3000 hrs. Colour RAL 5019 Blue and RAL 1014 Beige Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintain according to EN 16630 and the maintenance guide. Safety: All								
			1				1.00	165000.00	165000.00
	Data Rate	165000.00							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
20	Supply and fixing of Elliptical Cross ● inner. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are Powder coated using AKZO Nobel Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Rubber: High quality Grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and	Each							
			1				1.00	140000.00	140000.00
	Data Rate	140000.00							
21	Supply and Fixing of Rider. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. 5 Bearings : Maintenance-free ball bearings...Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and	Each							
			1				1.00	90000.00	90000.00
	Data Rate	90000.00							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
22	Supply and Fixing of Bicycle. Metal: All tubular steel of 25mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel GreatWall powder to the thickness of 80- 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to IS07227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. each 1 125000 125000 131188 131188 134500 134500 Bearings: Maintenance-free ball bearings . Scope of delivery: 1completely pre assembled equipment modules. Maintenance:	Each							
			1				1.00	125000.00	125000.00
	Data Rate	125000.00							
23	Supply and Fixing of Arm & Pedal Bike. Metal: All tubular steel of 25mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to IS07227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings : Maintenance-free ball bearings. Scope of delivery: 1completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and	Each							
			1				1.00	170000.00	170000.00
	Data Rate	170000.00							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
24	Supply and Fixing of Tai Chi Spinners Metal: All tubular steel of 2.Smm thicknp<.s are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are sc;illoped as necessa ry and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the w eldin points prior to finishing. All metal parts are powder coated using AKZO Nobel G reat Wall powder to the thickness of 80- 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to JS07227 to speeu up corrosion for 3000 hrs. Colour RAL 5019 Blue and RAL 1014 Beige Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance -free ball bearings. Scope of delivery: 1completely pre-assembled equipment modules. Maintena nce:Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and	Each	1				1.00	115000.00	115000.00
	Data Rate	115000.00							
25	Supply and fixing of Twist Stepper. Metal: All tubular steel of 2.Smrn thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are sca lloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-GreatWall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to IS07227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings.Scope of delivery: 1completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified	Each	1				1.00	180000.00	180000.00
	Data Rate	180000.00							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
26	Supply and fixing of HD Health Walker. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Colour RAL 5019 Blue and RAL 1014 Beige Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EQ and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630.	Each	1				1.00	140000.00	140000.00
	Data Rate	140000.00							
27	Supply and fixing of HD Waist Twister. Metal : All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings : Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN 16630 and the maintenance guide. Safety: All	Each	1				1.00	130000.00	130000.00
	Data Rate	130000.00							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
28	Providing ,fabricating and fixing Special Multiplay Systems consists of FRP moulded with Aluminium chequered platforms of size 5x5 ft with 4 support pillar made out of 75 mm dia G.I "B"pipes fixed in cement concrete 1:2:4.The platforms are to be covered with pyramid shaped FRP roof. The platform is to be with tubular slide & Mini Aquva tunnel Slide made up of high quality FRP the slide is to fixed at a height of 11ft and runs for a length of not less than twenty ft and the slide should be supported at regular intervals of 6ft using M.S pipes support and the platform ladder with 25mm dia MS pipes with suitable hand rails and steps made out of G I sheet with tred 4" with powder coated finish,fine quality FRP	Each							
			1				1.00	595000.00	595000.00
	Data Rate	595000.00							
29	KSRRB M2700-4. Providing, fitting and fixing mild steel railing complete as per drawing and Technical Specification complete as per specifications MORTH Specification No. 2703.2, 1900(Page No 247 Item No 32.4 of PWD SR 2018-19)	Rmt							
			1	120.00			120.00	2796.28	335554.00
	Basic Rate	2638.00							
	Area Weightage @ 6%	158.28							
	Total	2796.28							
30	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestals, retaining walls, return walls, walls (any thickness) including attached pilasters, columns, pillars, posts	Cum							
	For Street Lights		14	0.45	0.45	0.55	1.56	5998.54	9353.00
	Basic Rate	5659.00							
	Area Weightage @ 6%	339.54							
	Total	5998.54							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
31	Fabricating, supplying and erection of 12 Mtrs long hot dip Galvanized Conical pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for Mtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottom mm, top.....mm with 3mm thick suitable base plate	Each							
			4				4.00		
			10				10.00		
							14.00	15241.82	213385.00
32	Supplying of 1.1 KV class UG cable in having aluminium conductor PVC insulated, sheathed, galvanised, steel wire/steel tap armoured cable with PVC outer sheathing 1.1 KV class (P.No.55, I.No.7.4)	Mtrs							
	4 Core 10 Sqmm		1	500.00			500.00	128.97	64485.00
33	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) P No. 61 / I. No. 7.9.3 KPWD Electrical SR 2014-15	Mtrs							
			1	500.00			500.00	92.28	46140.00
34	Labour charges for laying of UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. P No. 61 / I No. 7.8.1 6Sqmm to 16Sqmm) KPWD Electrical SR 2014-15	Mtrs							
			1	500.00			500.00	11.72	5860.00
35	Supplying and fixing of heavy duty cable glands suitable or UG cable o 1.1KV class (metal only)(P.No.62, I.No.7.14)	Each							
	25 MM Dai		14				14.00	93.36	1307.00
36	Supplying tinnd copper lugs and crimping and wiring to terminal point for wire of the following sizes (P.No.64, I.No.7.21)	Each							
			14				14.00	8.3	116.00
37	Supplying, and fixing of Hot dip Galvanized M.S.Bracket suitable for out door luminaries and mounted on Octagonal pole using necessary bolts, nuts etc., complete.Single Arm Bracket with 1500mm Standard 40/50MM dia(P.No.36, I.No.5.18.2)	Each							
	Single arm Bracket with 1500MM Standard 40/50 MM dia						14.00	2605.44	36476.00

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
38	LED Street light. Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs: 50000 hr. @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4 KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application.)Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools.	Each	10				10.00	37170.94	371709.00
	Data Rate	37170.94							
39	Supply, installtion, testing and commissioning of STREET LIGHT PANEL made up of 16SWG CRCA sheet for body and 14 SWG CRCA sheet for door, outdoor type, floor mounting, powder coated,Degree of projection IP56, with necessary hard ware, interconnection wiring & accessories complete comprising of the following Incomming : 63A 4P 10KA MCB + 2 nos. 32A 3P AC1 contactor + 2 nos. 24hrs Timer Outgoings :18	Each	2				2.00	4885.20	9770.00
	Data Rate	4885.20							
40	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shutterng machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machinerries curing complete as per specifications c.c 1:1.5:3 Including all cost of Matirial (DATA	Sqm							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			2	54.00	0.90		97.20		
							97.20	2100.00	204120.00
	Data Rate	2100.00							
41	KSRRB M100-2. Loading and Unloading of stone boulders by manual means complete as per specification MORTH-100/chapter-1 Page No. 136/ Item No. 17.1/ PWD SR 2018-19	Cum							
			Qty. Vide Item No. 2				505.33		
							505.33	60.42	30532.00
	Basic Rate	57.00							
	Area Weightage @ 6%	3.42							
	Total	60.42							
									8460516.00
*42	For 12% Applicable GST								1015262.00
43	For 3% KRIDL Charges								253815.00
44	For 1% Labour Cess								84605.00
45	For 1% DPR and PMC Charges								84605.00
46	Miscellaneous Charges	L/S							1197.00
								Total	9900000.00

#NAME?

CERTIFICATE

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per PWD SR of 2018-19 and Approved Data Rate
- 3 This Estimate Grant under SC-SP/TSP Mukyamantrigala Nava Bengaluru Yojane
- 4 The provisions were made in this estimate are necessary and adequate.
- 5 This works come under B.B.M.P. limits.

Assistant Engineer

Executive Engineer

Assistant Executive Engineer

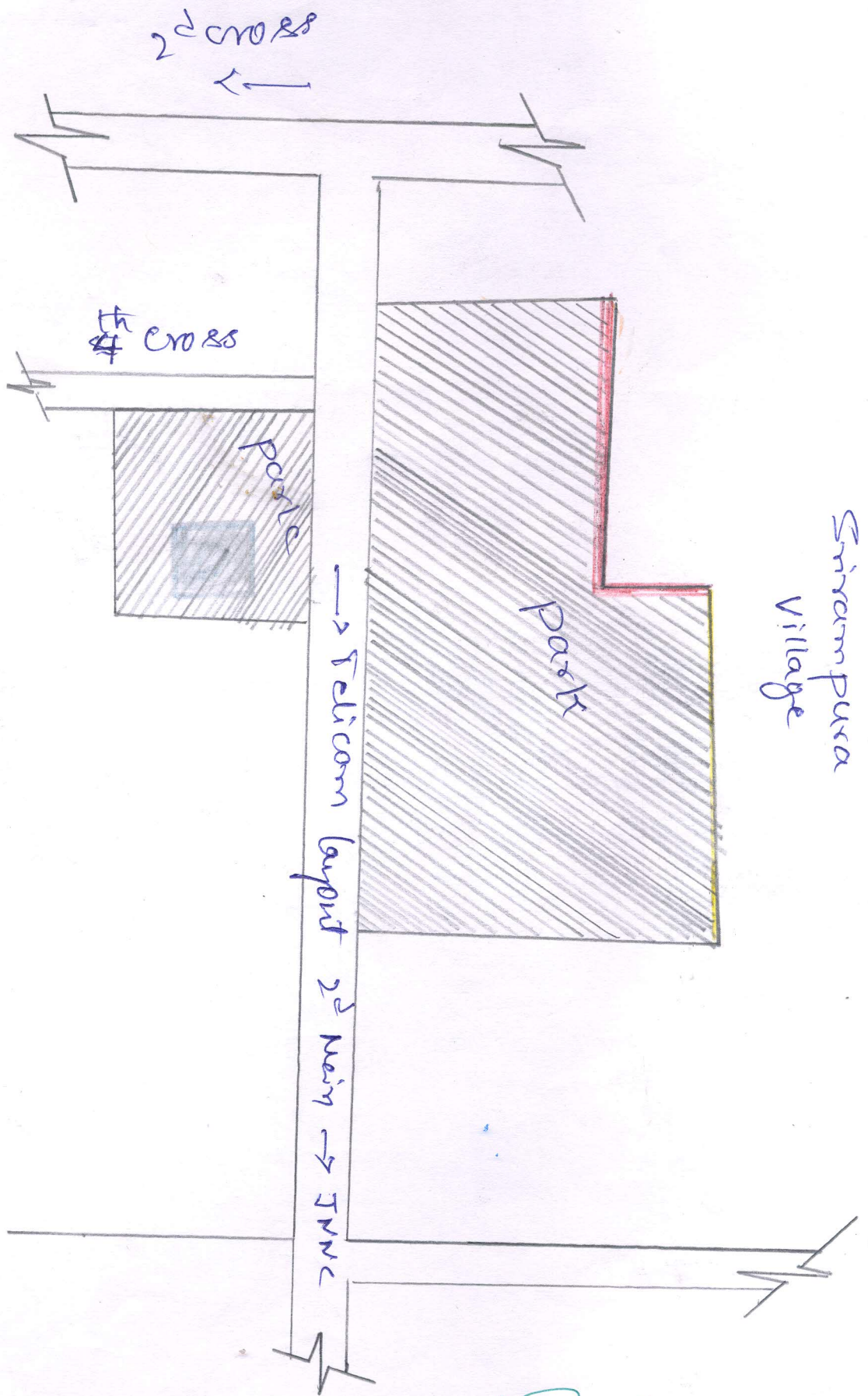
Byatarayanapura Division

Bruhat Bangalore Mahanagara Palike

ADMINISTRATIVE APPROVAL	
Accorded For Rs.	99.00 Lakh only
Head of A/c	P3727
Div. Ref. No.	87/19-20 Date 5-11-19
AE	EE(BTP)

Technical Sanction
Accorded For Rs. 99.00 Lakh only
Head of A/C P 3727
CER NO 255 DEL 11.11.2019

TA CE (YNK)



[Signature]
 ಸಹಾಯಕ ಅಭಿಯಂತರರು
 ಮಂಡ್ಯ ಜಿಲ್ಲಾ ಪಂಚಾಯತ್, ಮಂಡ್ಯ
 ದಿ. 01.06.2023

[Signature]
 ಸಹಾಯಕ ಅಭಿಯಂತರರು
 ಮಂಡ್ಯ ಜಿಲ್ಲಾ ಪಂಚಾಯತ್, ಮಂಡ್ಯ
 ದಿ. 01.06.2023, ಪುಟ-24